

US EPA ARCHIVE DOCUMENT



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## **Report of Analysis**

### **Fluorochemical Characterization of Aqueous Samples**

**Project Name: P0005537**

**MPI Research Laboratory Report No. L0021816**

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#### ***Testing Laboratory***

MPI Research, Inc.  
3058 Research Drive  
State College, PA 16801

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#### ***Requester***

Tracey Hall  
AECOM Inc.  
1360 Peachtree St NE #500  
Atlanta, GA 30309  
Phone: 404-965-9695

6 Signatures

Mindy L Cressley  
Mindy Cressley, Research Chemist Associate II

9/2/10  
Date

Amy Sheehan  
Amy Sheehan, Research Chemist

09/08/2010  
Date



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 5 - 081110

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	<0.010	0.010	8/30/2010



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 5 - 081110 Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	<0.010	0.010	8/30/2010



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

: Well 9 - 081110

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
perfluorooctanesulfonate	0.0446	0.010	8/30/2010



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 9 - 081110 Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	0.0408	0.010	8/30/2010



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 10 - 081110

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	0.0604	0.010	8/30/2010





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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 10 - 081110 Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	0.0569	0.010	8/30/2010



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 13 - 081110

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	0.142	0.010	8/31/2010



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 13 - 081110 Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	0.156	0.010	8/31/2010

**Summary of Fluorochemical Residues in Water Samples by LC/MS/MS**

**PFOS**  
**Perfluorooctanesulfonate**

Sample ID	Analyte Found (ng/mL)
Well 5 - 081110	<0.010
Well 5 - 081110 Duplicate	<0.010
Well 9 - 081110	0.0446
Well 9 - 081110 Duplicate	0.0408
Well 10 - 081110	0.0604
Well 10 - 081110 Duplicate	0.0569
Well 13 - 081110	0.142
Well 13 - 081110 Duplicate	0.156
FB 5 - 081110	<0.010
FB 9 - 081110	<0.010
FB 10 - 081110	<0.010
FB 13 - 081110	<0.010
Trip Blank 1	<0.010



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### **Fluorochemical Characterization of Aqueous Samples**

**Project Name: P0005537**

**MPI Research Laboratory Report No. L0021853**

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#### ***Testing Laboratory***

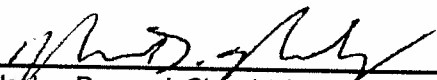
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#### ***Requester***

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6 Signatures

  
\_\_\_\_\_  
Mark Neeley, Research Chemist Associate II  
9-8-10  
Date

  
\_\_\_\_\_  
Amy Sheehan, Research Chemist  
09/08/2010  
Date

Other Lab Members Contributing to Data:

Mindy Cressley



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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 6 - 081610

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	0.0221	0.010	9/2/2010



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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 6 - 081610 Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
PFOS- Perfluorooctanesulfonate	0.0236	0.010	9/2/2010





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## Analytical Report

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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 7 - 081610

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
C8 Acid- Perfluorooctanoic Acid	0.0524	0.010	9/2/2010
PFOS- Perfluorooctanesulfonate	0.0520	0.010	9/2/2010



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### Summary of Fluorochemical Residues in Water Samples

Sample ID: Well 7 - 081610 Duplicate

Analyte	Result (ng/mL)	LOQ (ng/mL)	Date Analyzed
C8 Acid- Perfluorooctanoic Acid	0.0500	0.010	9/2/2010
PFOS- Perfluorooctanesulfonate	0.0565	0.010	9/2/2010



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## Analytical Report

### Summary of Fluorochemical Residues in Water Samples by LC/MS/MS

Sample ID	PFOA Perfluorooctanoic Acid	PFOS Perfluorooctanesulfonate
	Analyte Found (ng/mL)	Analyte Found (ng/mL)
Well 6 - 081610	N/A	0.0221
Well 6 - 081610 Duplicate	N/A	0.0236
Well 7 - 081610	0.0524	0.0520
Well 7 - 081610 Duplicate	0.0500	0.0565
FB6 - 081610	N/A	<0.010
FB7 - 081610	<0.010	<0.010
Trip Blank 1	<0.010	<0.010